

ABSTRACT

5 An extremely precise computer controlled grinding machine having
the capability to write its own computer programs for controlling the grinding
machine to perform individual tasks, including both grinding and dressing to several
millionths of an inch. A new device for dressing is included which is directly on the
machine, alleviating the need for a separate dressing machine. The Windows-based
computer program is easy to use, and includes numerous features for self-
maintenance and reproducibility.